

Fig.1A.

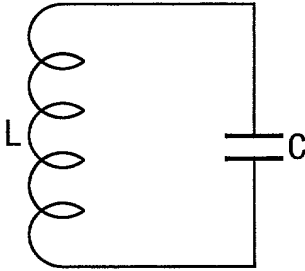


Fig.1B.

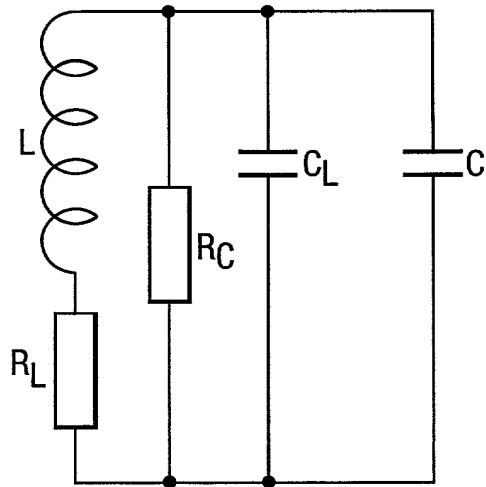
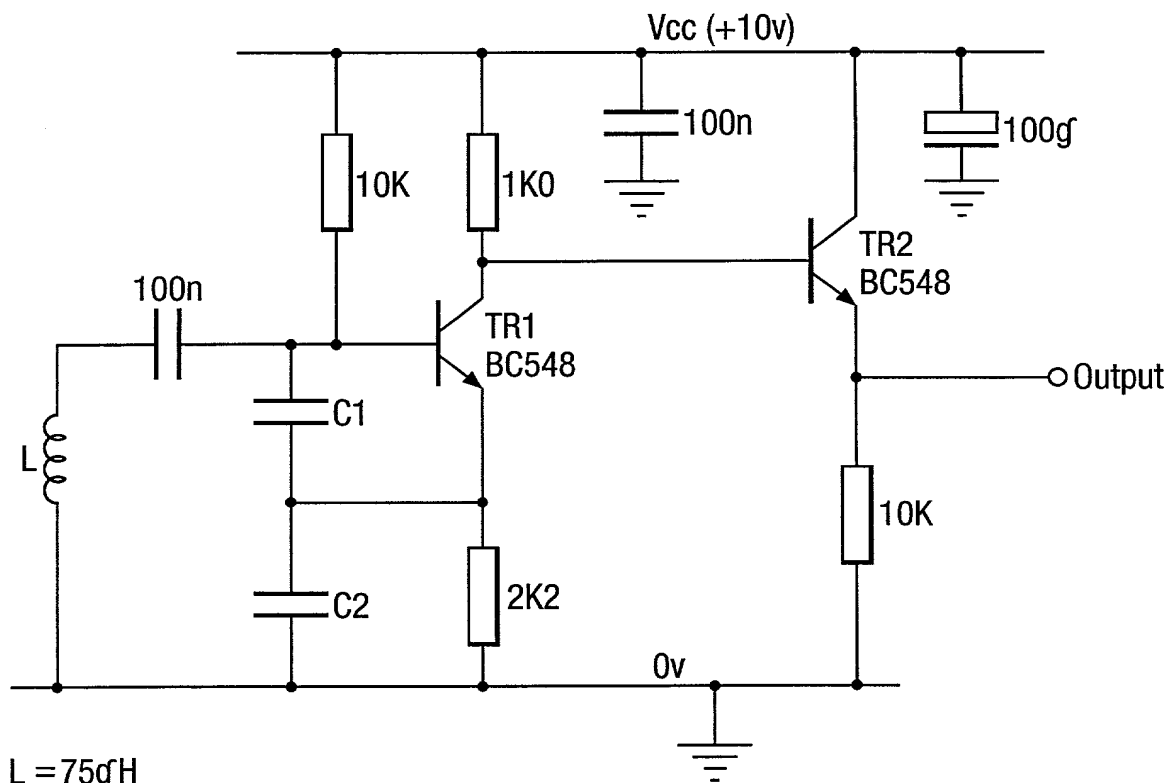


Fig.2.



$$L = 75\mu H$$

$$C1=1n5, C2=4n7 \text{ for } f = 400kHz$$

$$C1=470p, C2=1n5 \text{ for } f = 870kHz$$

Fig.3.

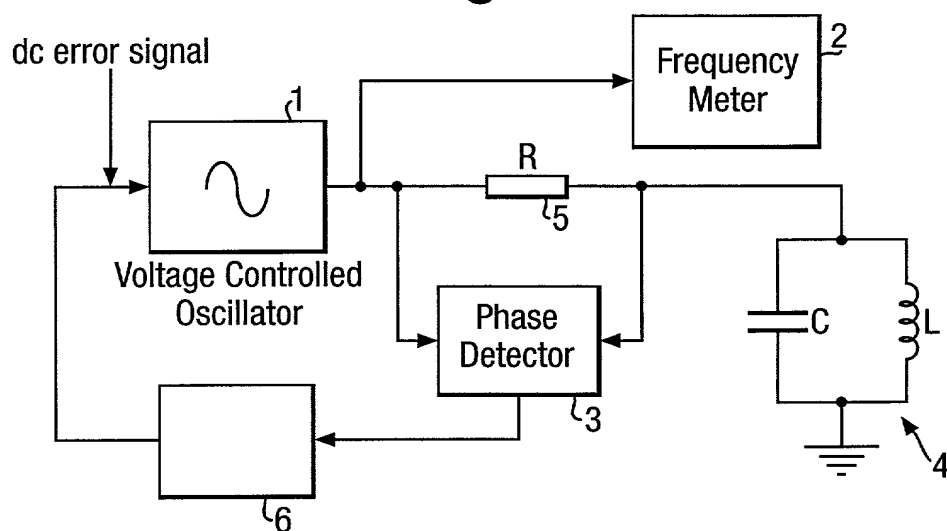


Fig.4.

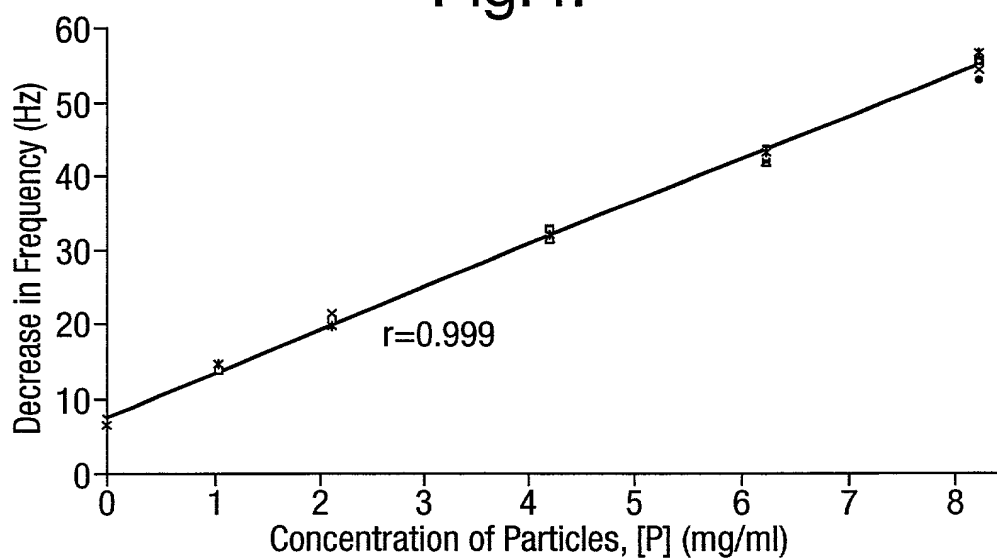


Fig.5.

OP1+OP3=LM393
OP2+OP4=CA3240E
IC2+IC3=4013
IC4=4011
OP5= $\frac{1}{2}$ LM358
All operate at $\pm 5\text{V}$

D1, D2, D3, & D4=1M4148

To Frequency Meter

1K, 10k, 100k, 1M, 4K7, 100n, 1n

+5V, -5V, 0V

Fig.6.

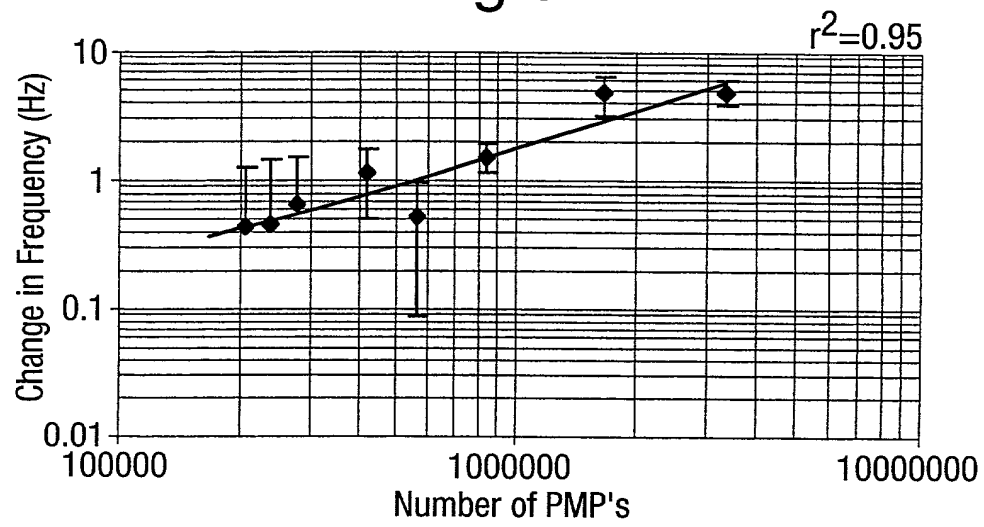


Fig.7.

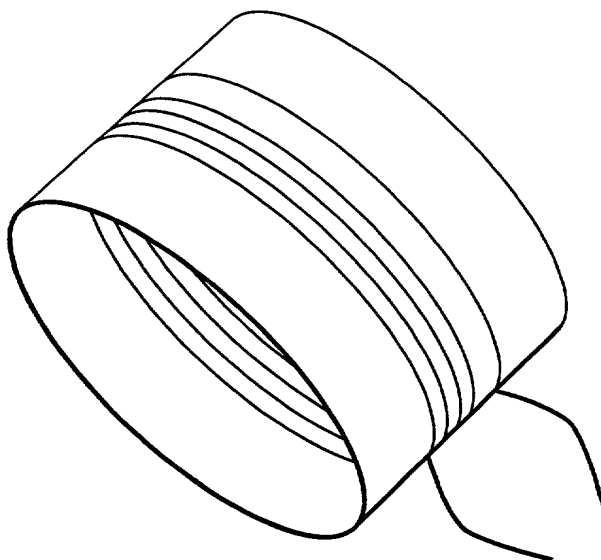


Fig.8.

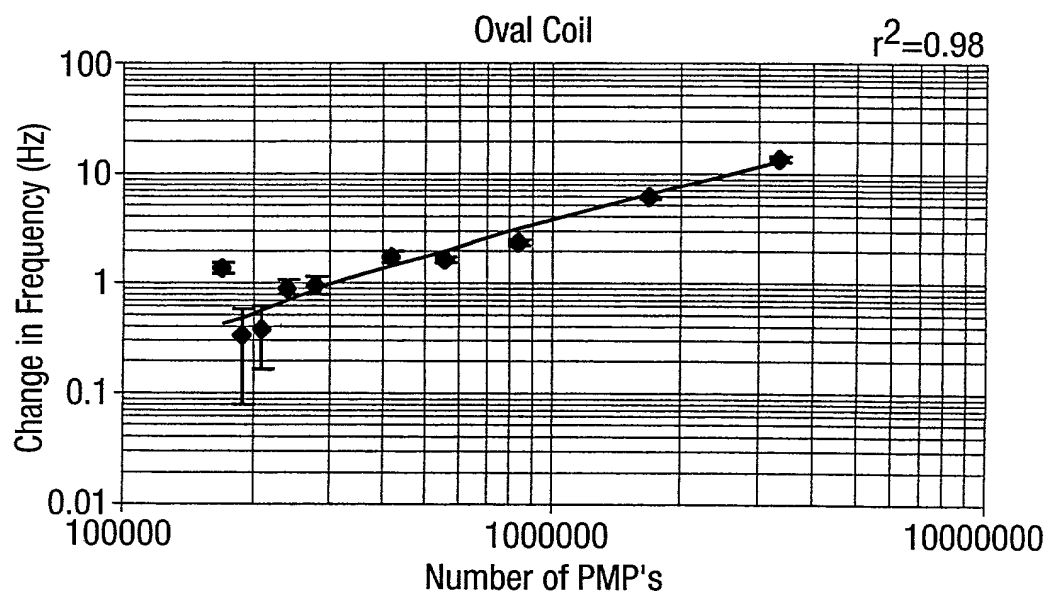


Fig.9.

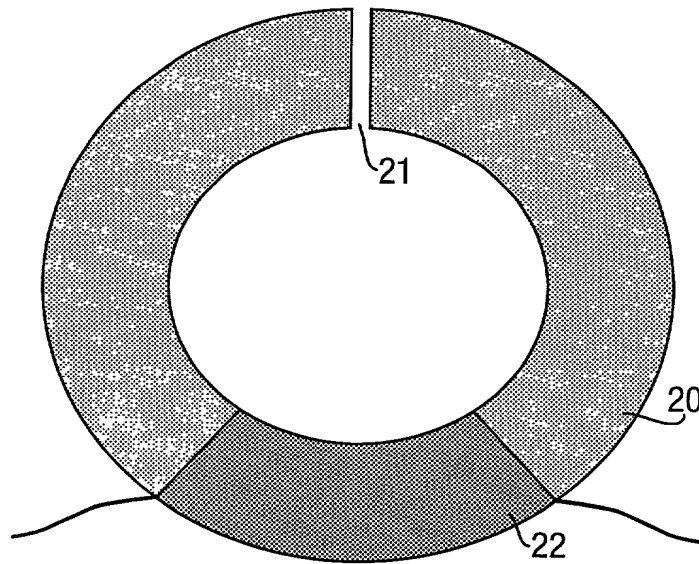


Fig.10.

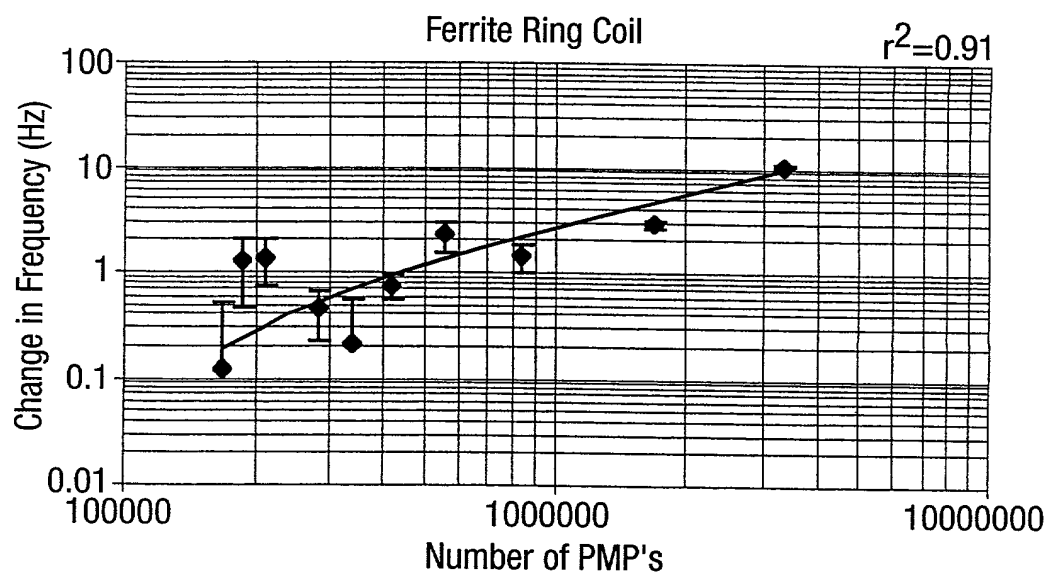


Fig.11(A).

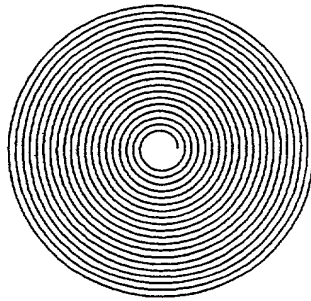


Fig.11(B).

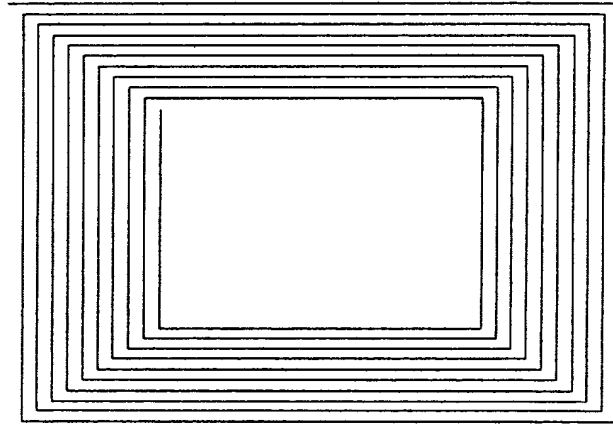


Fig.12.

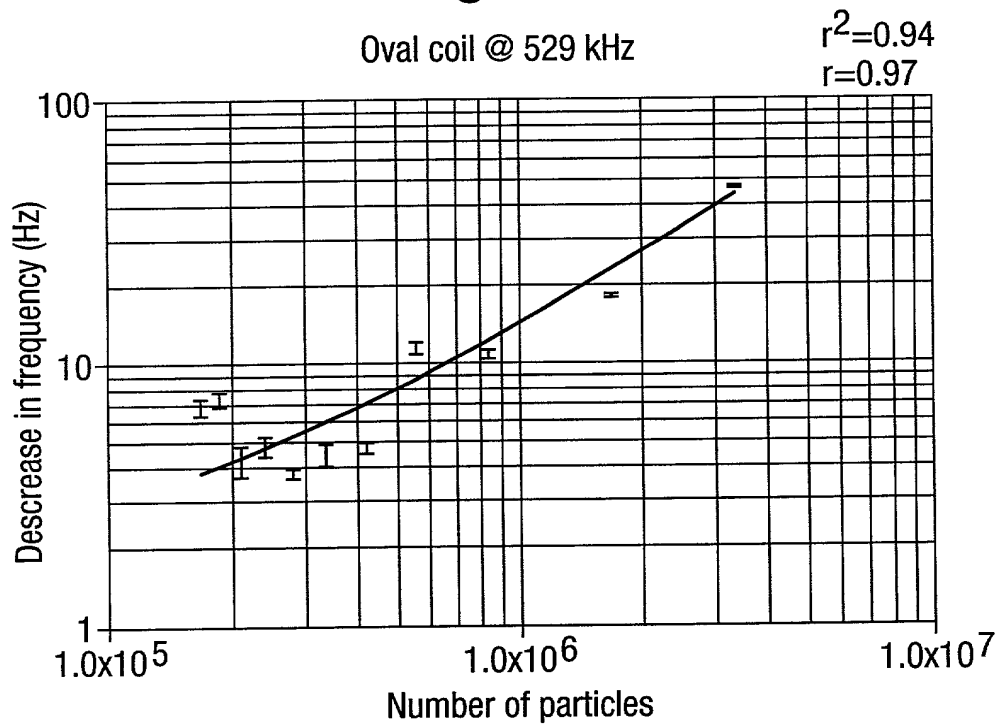


Fig.13.

